

Title (en)

A parser for natural language text.

Title (de)

Zergliedergerät für Natursprachen.

Title (fr)

Analyseur pour texte en langage naturel.

Publication

**EP 0266001 B1 19950503 (EN)**

Application

**EP 87202041 A 19871023**

Priority

US 92467086 A 19861029

Abstract (en)

[origin: EP0266001A2] An improved natural language text parser is disclosed which provides syntactic analysis of text using a fast and compact technique. Sequential steps of word isolation (20), morphological analysis (22, 26) and dictionary look-up (24) combined with a complement grammar analysis (28), are applied to an input data stream of words. Word expert rules (30), verb group analysis (32) and clause analysis (34-42) are then applied to provide an output data structure where the words in the input data stream are associated with their respective parts of speech and are grouped with appropriate phrase markings. The principle of operation of the parser is applicable to a variety of Indo-European languages and provides a faster and more compact technique for parsing in a data processor than has been available in the prior art.

IPC 1-7

**G06F 17/27**; **G06F 17/28**; **G06F 17/30**

IPC 8 full level

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CPC (source: EP US)

**G06F 16/36** (2018.12 - EP US); **G06F 40/205** (2020.01 - EP US); **G06F 40/211** (2020.01 - EP US); **G06F 40/253** (2020.01 - EP US); **G06F 40/268** (2020.01 - EP US)

Citation (examination)

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- E. Denert et al.: "Datenstrukturen", B.I. Wissenschaftsverlag, Mannheim, 1977, pages 90, 91 and 223-265
- F.L. Bauer, G. Goos: "Informatik, Eine einführende Übersicht, Erster Teil", Springer Verlag, Berlin, Heidelberg, New York, 1973, pages 57-62 and 101-111.

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